

From: Thomas, Mark J.
To: [ASPECT Harvey](#)
Subject: 4 Sept 2017 -- ASPECT update 1 -- 0800
Date: Monday, September 4, 2017 8:00:50 AM
Attachments: [2017 ASPECT Harvey.kmz](#)
[20170903 Preliminary Report for ASPECT Hurricane Harvey v1.pdf](#)
[20170904 ASPECT Status and Metrix.docx](#)
[Zone4_Area.kml](#)
[Zone4A_flightline_google_fl_clamp.kml](#)
[Zone7_Area.kml](#)
[Zone7_flightline_google_fl_clamp.kml](#)

The team was able to get the original ftp site operational and data for flights 1 through 8 has been pushed to the ftp site. Obliques, video and FTIR non-detects have been uploaded for 9 through 11. We are working to get similar products up for flight 12 and 13. Please refer to the daily status (attached) and daily flight summary (2017 ASPECT Harvey) kmz for details on progress. The daily report is also attached.

The team hopes to have all active FTIR hit data finished and uploaded today.

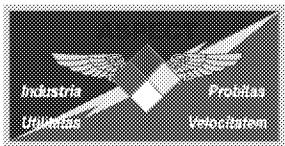
Work on the aircraft has been completed. All routine airframe maintenance has been completed without issue. The team pulled the line scanner computer and has determined the cause of the intermittent faults and plan to fully restore IRLS capabilities on 5 September 2017. All other systems are fully operational.

The work plan for today will consist of RNA sites in the remainder of zone 7 (Chambers), Matagorda and Brazoria county (Zone 4). Please note that Zone4 has open points in Jackson Co which have been removed from the survey. Zone and proposed flight maps are attached. Flights will operate out of Hobby.

ASPECT airborne at 0800 from Addison. The first series of collections will be those in Zone 7.

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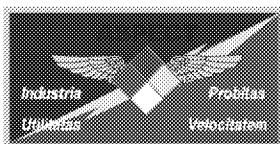


*2017 ASPECT Preliminary Report
Rapids Needs Assessment &
Arkema Plant Response, Crosby, TX*

*September 3, 2017
0730 hrs to 2040 hrs*



Figure 1: Remaining trailers at the Arkema site.



1 ASPECT Description

The U.S. EPA ASPECT Program is the nation's only 24/7/365 emergency response airborne platform equipped with special chemical, radiological, and situational awareness instruments. ASPECT stands for Airborne Spectral Photometric Environment Collection Technology. It detects chemicals and radiation while collecting aerial photos and videos for situational awareness during an emergency (night or day). Critical information is automatically processed in the aircraft and transmitted via satellite to a team of highly skilled scientists who quickly review it before sending the results to decision makers on the ground. This can be done within 5 minutes. Because of its ability to quickly arrive onsite and turn data, ASPECT serves as an initial screening tool to help the field responders make more informed decisions based on actual measurements. ASPECT does not fly through the hazard. All the information is collected from a safe distance using remote sensing technologies. It usually flies at about 3,000 ft above the ground but can fly much lower (or higher) if needed. A crew of 4 fly and operate the aircraft. The size of the reach back team varies depending on the type and scale of an emergency, and can provide support at the command post or from anywhere in the world via satellite communications and secure internet coordination.

2 Background

On 30 August 2017 at 0445 hrs the US EPA Region 6 On-Scene Coordinator Bryant Smalley contacted ASPECT Program Manager, Dr. Mark Thomas, to activate the ASPECT aircraft and respond to the Arkema facility explosion located in Crosby, Texas. The facility produces liquid organic peroxides that are used mainly in the production of plastic resins. The explosion was a result of a loss of refrigeration in temporary storage trailers.

After conducting three flights on 31 August 2017, the ASPECT aircrew moved their base of operations from Addison Airfield to Hobby Airfield. Pending any maintenance issues, this will position the aircraft closer to the target areas and reduce the transit time by more than one hour. The ASPECT technical reach-back team remains in Addison, TX.

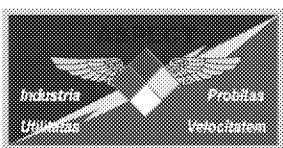
A detailed summary of the ASPECT operations from 8/31 to 9/1 are available in different reports. This report will begin with a detailed summary of the ASPECT operations scheduled for 2 September 2017. Table 1 provides a brief summary of the ASPECT products to date.

Table 1. Summary Metrics from ASPECT Operations

Date	# Sorties	Aerial Photos	Oblique Photos [#]	FTIR spectra*
30 August 2017	1	39	52	21,000
31 August 2017	3	173	221	117,000
1 September 2017	3	257	88	171,000
2 September 2017	3	310	31	177,000
3 September 2017	2	330	381	210,000

[#] Some photos were not be viewable/usable due to poor lighting or weather conditions at the time they were taken. Highlight cells will be updated after the data is processed.

* The collection frequency of FTIR spectra is 70 spectra per second.



ASPECT continues to fly in the TFR area (Temporary Flight Restriction) under an assigned squawk code in close coordination with the U.S. Coast Guard. **The aircraft does not fly through known chemical plumes or take air samples.** It uses a passive remote sensing technology that can detection vapors at its routine survey altitude of about 3,000 ft above the hazard.

ASPECT products are viewable using Google Earth by using the Google Earth “n-link” file which can be made available by contacting EPA R6 officials.

3 Aircraft Capabilities used on this survey

Chemical Detection:

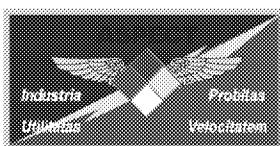
The US EPA ASPECT system collects airborne infrared (IR) images and chemical screening data from a safe distance over the site (about 2,800 ft AGL). The ASPECT system is an emergency response aircraft permitting remote chemical detection in support of the first responder. The system consists of an airborne high speed Fourier transform infrared spectrometer (FTIR) coupled with a wide-area IR line scanner (IRLS). The ASPECT IR systems have the ability to detect compounds in both the 8 to 12 micron (800 to 1200 cm⁻¹) and 3 to 5 micron (2000 to 3200 cm⁻¹) regions. The 8 to 12 micron region is typically known as the atmospheric window region since the band is reasonably void of water and carbon dioxide influence. Spectrally, this region is used to detect carbon - non-carbon bonded compounds. The 3 to 5 micron region is also free of water and carbon dioxide but typically does not have sufficient energy for use. This band does show use in high-energy environments such as fires. The Carbon - Hydrogen stretch is very common in this region.

Photo Capabilities:

A still digital Nikon DX2 camera collects visible aerial imagery as part of the core data product package. It consists of a 12.4 mega pixel CMOS camera supporting a 3:5 aspect ratio frame. The system uses a 28 mm wide-angle lens and is slaved to the primary IR sensors and provides concurrent image collection when other sensors are triggered. All imagery is geo-rectified using both aircraft attitude correction (pitch, yaw, and roll) and GPS positional information. Imagery can be processed while the aircraft is in flight status or approximately 600 frames per hour can be automatically batch processed once the data is downloaded from the aircraft.

An Imperx mapping camera provides a similar aspect ratio and aerial coverage at a much higher resolution (29 mega pixels). Like the Nikon DX2, it is slaved to the primary IR sensors and provided concurrent image collection when other sensors are triggered. These images are often digitally processed in lower resolution so they can be transmitted via satellite communication. The high resolution images are pulled from the ASPECT after the sortie and often made available at a later time.

Data are processed using onboard algorithms while the aircraft is in flight and preliminary results are sent using a satellite system to the ASPECT reachback team for QA/QC analysis.



The reachback team moved its base of operations from Million Air Terminal to a small office in the Airborne ASPECT Inc. hanger at the Addison Airfield.

4 Results

0730 hrs: The technical reachback team encountered a data transmission issue with the internet provider. The team continues to monitor the situation.

0800 hrs: The ASPECT Rapid Needs Assessment (RNA) mission for Neuces and Jackson Counties, TX were cancelled. The RNA mission will continue in geographic zones as created by the ASPECT reachback team. These are generally designed based on proximity to the airfield, length of flight, flight restrictions (if any), and number of sites. Some zones will be larger than others.

The mission of the RNA flights is to collect high resolution photos over target sites provided by the Region. In addition, chemical sensors were activated over sites associated with industrial facilities but this was later changed to monitor all sites based on inquiry from EPA PIOs. They wanted to know what air monitoring has been done as part of the hurricane response, with particular interest in Harrison county. They also wanted to know if ASPECT flew in areas aside from Arkema and, if so, where and what was noted. Every site photographed from this point forward (urban/rural/residential/industrial) will also have a chemical sweep.

Every photo will be geo-corrected and validated by the reachback team and then made available on the ASPECT “n-link” file. The validation process will delay the distribution/access to these files for at least one day.

Flight #12

1015 hrs: ASPECT is airborne and completed a chemical sweep over the Arkema site with no significant chemical detections.

1030 hrs: ASPECT technical reachback team experienced another critical failure of the FTP servers. See Operational Challenges for a full explanation. The team decided to move its base of operations to resolve the issues. The aircraft continued its RNA mission in Zones 6 & 7, while the reachback team moved operations.

1230 hrs: ASPECT reachback team returns to full operational status at a new base of operations in a small office at the Airborne ASPECT Inc. hanger, Addison Airfield.

1410 hrs: ASPECT landed to refuel. It completed aerial photos & chemical sweeps for the remaining targets in Zone 6 and completed about 75% of the targets in Zone 7 (see Figure 2). Flight planning for the RNA mission continues. Data will be delivered to the reachback team this evening.

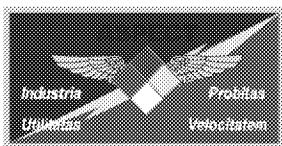
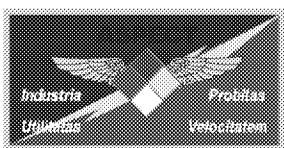


Figure 2: Google Earth image showing areas where ASPECT has collected aerial photos over selected targets provided by the Region as part of the Rapid Needs Assessment. "D" represents drinking water facilities, "W" represents wastewater treatment facilities, and yellow triangle represent risk management plan sites, and a black star in a yellow balloon represent National Priority List sites. Every photo will be geo-corrected and validated by the reachback team and then made available on the ASPECT "n-link" file. The validation process will delay the distribution/access to these files for at least one day.

Flight #13

1540 hrs: ASPECT reports fire at the Arkema site and initiated a series of chemical sweeps. Figure 3 shows an aerial photo and infrared image that was pulled from the aircraft and shared with the Region EOC.



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Figure 3: Aerial photo (left) taken at 5,000 ft of the Arkema trailers. Infrared image taken from the IR video showing the heat signature of the fire.

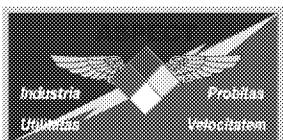
1615 hrs: ASPECT has completed several passes over the Arkema fire and detected trace concentrations of peroxide (limit of detection about 5 ppm), as well as PAN (peroxyacetyl nitrates) and ozone which are consistently found in fire emissions.

1720 hrs: ASPECT was requested to make a chemical sweep about 1 mile to the West (downwind). Results showed no significant chemical detections which was confirmed by multiple passes and independently verified by the reachback team.

Figures 4, 5 and 6 show aerial and oblique photos of the Arkema trailers before, during, and after they burned.



Figure 4: Before (left) and after (right) the Arkema site trailers burned



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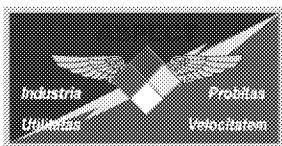
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Figure 5: Oblique photos of the Arkema fire taken FTIR results are showing low concentrations of peroxide (2 ppm) about 50 meters downwind. The air crew reports just a little fire and very little smoke. The detection limit was lower since we were looking down a thicker plume. Please see the attached IR image, note the greatly reduced with only the trailers showing a hot signature from ASPECT aircraft.



Figure 6: Series of oblique photos showing the progress of the Arkema trailers burning.



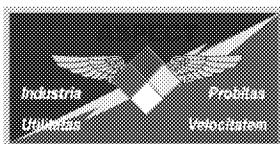
1800 hrs: ASPECT continued to make passes directly over the trailers and downwind (about 50 m) while they burned. Initial FTIR results showed low concentration of peroxide (about 2 to 5 ppm) about 50 m downwind.



Figure 7: Infrared image taken from the IR video (1650 hrs CST) showing the trailers producing a heat signature near the end of the burn.

5 Operational Challenges

1. Satellite communications appear to have been resolved.
2. The technical reachback team continues to actively address recording issues with the infrared line scanner (IRLS) system. The recording computer failed in the aircraft on 31 August 2017. The team replaced the IRLS motherboard and conducted a test flight the evening of 31 August 2017. Initial results indicated that the issue had been resolved but during Flight 6 (1 September 2017) similar faults were observed, suggesting that the cause is more complex. Currently this capability is not available. The night vision camera has been reconfigured as a thermal imaging system as a backup. Efforts to fix the IRLS continue, however a fix cannot occur until the team completes a critical examination of the system. The aircraft is returning to the Addison Airfield tonight where the IRLS computer will be pulled for maintenance.

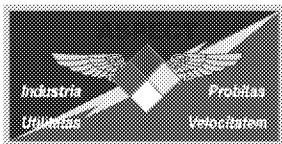


3. Adding people to the ASPECT_Harvey@epa.gov email distribution list requires outside support from EPA OEI personnel. The support provided by EPA OEI has been outstanding in meeting this challenge by adding new people to this distribution list in a timely and efficient manner.
4. Access to the secure FTP site used to store ASPECT files experienced a critical failure. The problem was caused by the large amounts of data and bandwidth being used by the ASPECT program triggering alarms as a potential cyber-attack on the networks. We learned that the Addison Million Air (technical reachback team base of operations) and Hobby Million Air (aircrew team base of operations) cyber security network algorithms identified our internet traffic as a threat and classified our servers as a Distributed Denial of Service (DDoS) attack. A DDoS is defined as an attack on a system via moving a large enough amount of data such as to clog the bandwidth or overwhelm a server, usually malicious and intentional using junk data or rapidly cycled connections. The ASPECT technical reachback team moved its base of operations to another location at the Addison Airfield and the problem appears to have resolved.

6 Rapid Needs Assessment Status

This table is a work in progress to help track metrics for the ASPECT RNA mission.

Zone	Date	Flight #s	#Targets	#Flight Lines	Comments
1					
2					Cancelled (3 September 2017)
3					
4	TBD	TBD	>110	TBD	
5	9/1	7, 9	>50	36	Contains Arkema facility
6	9/2	9	>70	49	South of Arkema facility
7	9/3	12	>60	46	Mostly Chamber County
8	TBD				
...	TBD				
Totals					



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7 ASPECT Team and Crew

Dr. Mark Thomas, ASPECT Program Manager

Dr. John Cardarelli II, ASPECT Radiological / Tech Lead

Mr. Timothy Curry, ASPECT Logistics/Finance Lead

Dr. Robert Kroutil, Kalman Co Inc. ASPECT Chemical / GIS Lead (contractor)

Dr. Brian Dess, Kalman Co Inc. ASPECT Chemical / IT support (contractor)

Mr. Jeff Stapleton, Kalman Co Inc. (remote support)

Ms. Malia Smolenski, Kalman Co Inc. (remote support)

Sam Fritcher, Airborne ASPECT Inc., CEO

Beorn Leger, Airborne ASPECT Inc., Chief Pilot

Ned Conner, Airborne ASPECT Inc., Pilot

Tom Cruise, Airborne ASPECT Inc., ATP/Operator

Dallas Sley, Airborne ASPECT Inc., Equipment Operator

Robert Kirby, Airborne ASPECT Inc., Engineer

Bruce Dingman, Airborne ASPECT Engineering Tech.

1

ASPECT Sorties

Date	Flight #	Primary Mission	Comments
8/29	1	Systems Check	
8/30	2	Arkema Facility	
8/31	3	Arkema Facility	Foggy Conditions
8/31	4	Arkema Facility	
8/31	5	Arkema Facility	
9/1	6	Arkema Facility	
9/1	7	Arkema Facility & Zone 5 Rapids Needs Assessment	Completed Zone 5 RNA
9/1	8	Arkema Facility	Fires
9/2	9	Arkema Facility & Zones 5 & 6 Rapid Needs Assessment	
9/2	10	Arkema Facility	
9/2	11	Arkema Facility	Aborted Manual Ignition
9/3	12	Zone 6 & 7 RNA	Completed Zone 6 RNA
9/3	13	Arkema Facility	On hold for ignition

ASPECT Rapids Needs Assessment

Zone	Date	Flight #s	#Targets	#Flight Lines	Comments
1					
2					Cancelled (3 September 2017)
3					
4	TBD	TBD	>110	TBD	
5	9/1	7, 9	>50	36	Contains Arkema facility
6	9/2	9	>70	49	South of Arkema facility
7	9/3	12	>60	46	Mostly Chamber County
8	TBD				
...	TBD				
Totals					

Flight #	Aerial	Oblique	FTIR*	Comments
1	na	na	Na	System Test
2	39	52	21,000	
3	38	96	24000	
4	97	107	63000	
5	38	18	30000	
6	35	0	30,000	Arkema & RNA
7	162	19	75,000	Arkema & RNA

8	60	69	66,000	Fire ER
9	222	5	108,000	Arkema & RNA
10	88	26	45,000	Arkema
11	0	0	24,000	Evening Arkema
12	263	5	156,000	Zone 6 & 7 RNA
13	67	376	54,000	Arkema Trailer Burn

* FTIR estimates were based on an average of 3,000 spectra per pass.

Zone4_Area.kml

1.3

<http://maps.google.com/mapfiles/kml/pushpin/ylw-pushpin.png>

1.1

<http://maps.google.com/mapfiles/kml/pushpin/ylw-pushpin.png>

normal
#s_ylw-pushpin

highlight
#s_ylw-pushpin_hl

Zone4_Area
#m_ylw-pushpin

1

-96.72205989238221,29.18625694259519,0 -96.70312899756492,28.94168322496524,0
-96.6914478305729,28.7342500354132,0 -96.58916085657798,28.65479967507665,0 -
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96.01633746512194,28.52122703572787,0 -95.72650419015949,28.64978122665623,0
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96.06039417325484,29.57794969358658,0 -96.33075285366569,29.52588908302138,0
-96.72205989238221,29.18625694259519,0

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

90.533943

fffffffff
1
90.533943

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

270.533936

fffffffff
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270.533936

\$[name]

\$[description]

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90.533943

fffffffff
1
90.533943

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

270.533936

fffffff
1
270.533936

\$[name]

0
Flight Block 1

Line Points

Line 1 start
Diatance 0.85 nautical miles

1580.60 meters to line 1 end

0.85 nautical miles to line 1 end

90.53 degrees to line 1 end

30.72 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.565023,28.682428,853.440002

Line 1 end

line 1 end

#sgrillo2_0

clampToGround

-96.548857,28.682278,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 1

#fl_lines

1
clampToGround
-96.565023,28.682428,853.44 -96.548857,28.682278,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

95.674591

ffffffff
1
95.674591

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

275.674591

fffffff
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275.674591

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

95.674591

fffffff
1
95.674591

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

275.674591

fffffff
1
275.674591

\$[name]

0
Flight Block 2

Line Points

Line 2 start
Diatance 2.04 nautical miles

3778.05 meters to line 2 end

2.04 nautical miles to line 2 end
95.67 degrees to line 2 end
73.44 seconds collect time at 100 knots
2800.00 ft. Altitude (AGL)
2860.00 ft. Altitude (MSL)
#sgrillo1_0
clampToGround
-96.563169,28.662824,853.440002

Line 2 end

line 2 end

#sgrillo2_0
clampToGround
-96.524776,28.659009,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 2

#fl_lines

1
clampToGround
-96.563169,28.662824,853.44 -96.524776,28.659009,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

113.659348

fffffffff
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113.659348

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

293.659332

fffffffff
1
293.659332

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

113.659348

fffffffff
1
113.659348

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

293.659332

fffffff
1
293.659332

\$[name]

0
Flight Block 3

Line Points

Line 3 start
Diatance 0.41 nautical miles

752.36 meters to line 3 end

0.41 nautical miles to line 3 end

113.66 degrees to line 3 end

14.62 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.416272,28.671056,853.440002

Line 3 end

line 3 end

#sgrillo2_0

clampToGround
-96.409382,28.668037,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 3

#fl_lines

1
clampToGround
-96.416272,28.671056,853.44 -96.409382,28.668037,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

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\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

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\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

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fffffff
1
43.581947

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

223.581955

fffffff
1
223.581955

\$[name]

0
Flight Block 4

Line Points

Line 4 start
Diatance 0.72 nautical miles

1336.82 meters to line 4 end

0.72 nautical miles to line 4 end

43.58 degrees to line 4 end

25.99 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround

-96.418197,28.655656,853.440002

Line 4 end

line 4 end

#sgrillo2_0

clampToGround

-96.409408,28.664891,853.440002

ff000080

5.0

1

550000ff

Lines

Flight Line 4

#fl_lines

1

clampToGround

-96.418197,28.655656,853.44 -96.409408,28.664891,853.44

ASPECT Flight Planning

0

-96.565023

28.682428

5022.3163433

0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

40.715176

ffffffff
1
40.715176

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

220.715179

ffffffff
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220.715179

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

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ffffffff
1
40.715176

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

220.715179

fffffff
1
220.715179

\$[name]

0
Flight Block 5

Line Points

Line 5 start
Distance 0.41 nautical miles

750.22 meters to line 5 end

0.41 nautical miles to line 5 end

40.72 degrees to line 5 end

14.58 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.420615,28.649268,853.440002

Line 5 end

line 5 end

#sgrillo2_0

clampToGround
-96.415976,28.654657,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 5

#fl_lines

1
clampToGround
-96.420615,28.649268,853.44 -96.415976,28.654657,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
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86.469528

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86.469528

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266.469513

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266.469513

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266.469513

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266.469513

\$[name]

0
Flight Block 6

Line Points

Line 6 start
Diatance 0.40 nautical miles

736.73 meters to line 6 end

0.40 nautical miles to line 6 end

86.47 degrees to line 6 end

14.32 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.360292,28.653167,853.440002

Line 6 end

line 6 end

#sgrillo2_0

clampToGround
-96.352778,28.653630,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 6

#fl_lines

1
clampToGround
-96.360292,28.653167,853.44 -96.352778,28.653630,853.44

ASPECT Flight Planning
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-96.565023
28.682428
5022.3163433
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84.769920

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264.769928

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0
Flight Block 7

Line Points

Line 7 start
Diatance 0.60 nautical miles

1112.57 meters to line 7 end

0.60 nautical miles to line 7 end

84.77 degrees to line 7 end

21.63 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.245922,28.694257,853.440002

Line 7 end

line 7 end

#sgrillo2_0

clampToGround
-96.234604,28.695293,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 7

#fl_lines

1
clampToGround
-96.245922,28.694257,853.44 -96.234604,28.695293,853.44

ASPECT Flight Planning

0

-96.565023
28.682428
5022.3163433
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87.829483

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267.829498

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267.829498

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0
Flight Block 8

Line Points

Line 8 start
Diatance 0.22 nautical miles

413.85 meters to line 8 end

0.22 nautical miles to line 8 end

87.83 degrees to line 8 end

8.04 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.216518,28.701737,853.440002

Line 8 end

line 8 end

#sgrillo2_0

clampToGround
-96.212288,28.701897,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 8

#fl_lines

1
clampToGround
-96.216518,28.701737,853.44 -96.212288,28.701897,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
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236.382401

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236.382401

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236.382401

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0
Flight Block 9

Line Points

Line 9 start
Diatance 0.93 nautical miles

1718.48 meters to line 9 end

0.93 nautical miles to line 9 end

56.38 degrees to line 9 end

33.40 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-95.979926,28.596811,853.440002

Line 9 end

line 9 end

#sgrillo2_0

clampToGround
-95.965902,28.606134,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 9

#fl_lines

1
clampToGround
-95.979926,28.596811,853.44 -95.965902,28.606134,853.44

ASPECT Flight Planning

0

-96.565023
28.682428
5022.3163433
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85.064728

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265.064728

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265.064728

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265.064728

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0
Flight Block 10

Line Points

Line 10 start
Diatance 0.16 nautical miles

295.41 meters to line 10 end

0.16 nautical miles to line 10 end

85.06 degrees to line 10 end

5.74 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-95.965993,28.670691,853.440002

Line 10 end

line 10 end

#sgrillo2_0

clampToGround
-95.962987,28.670950,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 10

#fl_lines

1
clampToGround
-95.965993,28.670691,853.44 -95.962987,28.670950,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
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256.988617

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76.988609

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256.988617

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76.988609

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1
76.988609

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0
Flight Block 11

Line Points

Line 11 start
Diatance 0.16 nautical miles

304.13 meters to line 11 end

0.16 nautical miles to line 11 end

256.99 degrees to line 11 end

5.91 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-95.967612,28.677629,853.440002

Line 11 end

line 11 end

#sgrillo2_0

clampToGround
-95.970620,28.676934,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 11

#fl_lines

I
clampToGround
-95.967612,28.677629,853.44 -95.970620,28.676934,853.44

ASPECT Flight Planning
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-96.565023
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329.130035

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149.130035

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329.130035

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329.130035

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149.130035

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1
149.130035

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0
Flight Block 12

Line Points

Line 12 start
Diatance 0.26 nautical miles

473.23 meters to line 12 end

0.26 nautical miles to line 12 end

329.13 degrees to line 12 end

9.20 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-95.959099,28.691845,853.440002

Line 12 end

line 12 end

#sgrillo2_0

clampToGround
-95.961356,28.695620,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 12

#fl_lines

1
clampToGround
-95.959099,28.691845,853.44 -95.961356,28.695620,853.44

ASPECT Flight Planning
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-96.565023
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69.545326

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249.545334

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1
249.545334

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0
Flight Block 13

Line Points

Line 13 start
Diatance 0.47 nautical miles

873.20 meters to line 13 end

0.47 nautical miles to line 13 end

69.55 degrees to line 13 end

16.97 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-95.970570,28.697075,853.440002

Line 13 end

line 13 end

#sgrillo2_0

clampToGround
-95.962345,28.700143,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 13

#fl_lines

1
clampToGround
-95.970570,28.697075,853.44 -95.962345,28.700143,853.44

ASPECT Flight Planning
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-96.565023
28.682428
5022.3163433
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149.432999

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329.432983

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329.432983

\$[name]

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<http://maps.google.com/mapfiles/kml/shapes/airports.png>

149.432999

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149.432999

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

329.432983

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1
329.432983

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0
Flight Block 14

Line Points

Line 14 start
Distance 0.62 nautical miles

1145.27 meters to line 14 end

0.62 nautical miles to line 14 end

149.43 degrees to line 14 end

22.26 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-95.972477,28.710757,853.440002

Line 14 end

line 14 end

#sgrillo2_0

clampToGround
-95.967067,28.701598,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 14

#fl_lines

1
clampToGround
-95.972477,28.710757,853.44 -95.967067,28.701598,853.44

ASPECT Flight Planning
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-96.565023
28.682428
5022.3163433
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0.342547

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0.342547

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180.342545

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180.342545

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

0.342547

fffffff

1

0.342547

\$[name]

0
Flight Block 15

Line Points

Line 15 start
Diatance 0.52 nautical miles

954.98 meters to line 15 end
0.52 nautical miles to line 15 end
180.34 degrees to line 15 end
18.56 seconds collect time at 100 knots
2800.00 ft. Altitude (AGL)
2860.00 ft. Altitude (MSL)
#sgrillo1_0
clampToGround
-95.931722,28.709188,853.440002

Line 15 end

line 15 end

#sgrillo2_0

clampToGround
-95.931773,28.700577,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 15

#fl_lines

1
clampToGround
-95.931722,28.709188,853.44 -95.931773,28.700577,853.44

ASPECT Flight Planning

0

-96.565023
28.682428
5022.3163433
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57.566360

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237.566360

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237.566360

\$[name]

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<http://maps.google.com/mapfiles/kml/shapes/airports.png>

57.566360

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1
57.566360

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

237.566360

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1
237.566360

\$[name]

0
Flight Block 16

Line Points

Line 16 start
Distance 0.47 nautical miles

861.47 meters to line 16 end

0.47 nautical miles to line 16 end

57.57 degrees to line 16 end

16.75 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-95.777136,28.755259,853.440002

Line 16 end

line 16 end

#sgrillo2_0

clampToGround
-95.769986,28.759803,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 16

#fl_lines

1
clampToGround
-95.777136,28.755259,853.44 -95.769986,28.759803,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
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320.419159

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140.419144

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140.419144

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320.419159

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320.419159

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

140.419144

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1
140.419144

\$[name]

0
Flight Block 17

Line Points

Line 17 start
Diatance 0.72 nautical miles

1337.51 meters to line 17 end

0.72 nautical miles to line 17 end

320.42 degrees to line 17 end
26.00 seconds collect time at 100 knots
2800.00 ft. Altitude (AGL)
2860.00 ft. Altitude (MSL)
#sgrillo1_0
clampToGround
-95.612639,28.765020,853.440002

Line 17 end

line 17 end

#sgrillo2_0

clampToGround
-95.620700,28.774771,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 17

#fl_lines

1
clampToGround
-95.612639,28.765020,853.44 -95.620700,28.774771,853.44

ASPECT Flight Planning
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-96.565023

28.682428
5022.3163433
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112.255928

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292.255920

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292.255920

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292.255920

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Flight Block 18

Line Points

Line 18 start
Diatance 0.48 nautical miles

889.85 meters to line 18 end

0.48 nautical miles to line 18 end

112.26 degrees to line 18 end

17.30 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-95.634351,28.772553,853.440002

Line 18 end

line 18 end

#sgrillo2_0

clampToGround
-95.626090,28.769172,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 18

#fl_lines

1
clampToGround
-95.634351,28.772553,853.44 -95.626090,28.769172,853.44

ASPECT Flight Planning

0

-96.565023
28.682428
5022.3163433
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244.823944

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64.823952

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64.823952

\$[name]

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244.823944

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244.823944

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

64.823952

ffffffff
1
64.823952

\$[name]

0
Flight Block 19

Line Points

Line 19 start
Diatance 0.29 nautical miles

534.51 meters to line 19 end

0.29 nautical miles to line 19 end

244.82 degrees to line 19 end

10.39 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround

-95.630021,28.783127,853.440002

Line 19 end

line 19 end

#sgrillo2_0

clampToGround

-95.634849,28.780857,853.440002

ff000080

5.0

1

550000ff

Lines

Flight Line 19

#fl_lines

1

clampToGround

-95.630021,28.783127,853.44 -95.634849,28.780857,853.44

ASPECT Flight Planning

0

-96.565023

28.682428

5022.3163433

0

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<http://maps.google.com/mapfiles/kml/shapes/airports.png>

228.476120

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228.476120

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<http://maps.google.com/mapfiles/kml/shapes/airports.png>

48.476120

fffffff
1
48.476120

\$[name]

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<http://maps.google.com/mapfiles/kml/shapes/airports.png>

228.476120

fffffff
1
228.476120

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

48.476120

fffffff
1
48.476120

\$[name]

0
Flight Block 20

Line Points

Line 20 start
Diatance 0.22 nautical miles

405.51 meters to line 20 end

0.22 nautical miles to line 20 end

228.48 degrees to line 20 end

7.88 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-95.669275,28.831825,853.440002

Line 20 end

line 20 end

#sgrillo2_0

clampToGround
-95.672204,28.829232,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 20

#fl_lines

1
clampToGround
-95.669275,28.831825,853.44 -95.672204,28.829232,853.44

ASPECT Flight Planning
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-96.565023
28.682428
5022.3163433
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332.979187

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332.979187

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152.979187

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152.979187

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332.979187

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152.979187

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1
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0
Flight Block 21

Line Points

Line 21 start
Diatance 0.69 nautical miles

1271.96 meters to line 21 end

0.69 nautical miles to line 21 end

332.98 degrees to line 21 end

24.72 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0
clampToGround
-95.930679,28.824875,853.440002

Line 21 end

line 21 end

#sgrillo2_0
clampToGround
-95.936015,28.835338,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 21

#fl_lines
1
clampToGround
-95.930679,28.824875,853.44 -95.936015,28.835338,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

178.303909

fffffff
1
178.303909

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

358.303894

fffffff
1
358.303894

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

178.303909

fffffff
1
178.303909

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

358.303894

fffffff
1
358.303894

\$[name]

0
Flight Block 22

Line Points

Line 22 start
Diatance 0.21 nautical miles

385.98 meters to line 22 end

0.21 nautical miles to line 22 end

178.30 degrees to line 22 end

7.50 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-95.936406,28.793626,853.440002

Line 22 end

line 22 end

#sgrillo2_0

clampToGround
-95.936303,28.790147,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 22

#fl_lines

1
clampToGround
-95.936406,28.793626,853.44 -95.936303,28.790147,853.44

ASPECT Flight Planning

0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

24.241499
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24.241499

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

204.241501
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204.241501

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

24.241499

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24.241499

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

204.241501

fffffff
1
204.241501

\$[name]

0
Flight Block 23

Line Points

Line 23 start
Diatance 0.68 nautical miles

1264.53 meters to line 23 end

0.68 nautical miles to line 23 end

24.24 degrees to line 23 end

24.58 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-95.945669,28.781671,853.440002

Line 23 end

line 23 end

#sgrillo2_0

clampToGround
-95.940897,28.792270,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 23

#fl_lines

1
clampToGround
-95.945669,28.781671,853.44 -95.940897,28.792270,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

244.584717

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244.584717

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

64.584724

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64.584724

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

244.584717

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1
244.584717

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

64.584724

fffffff
1
64.584724

\$[name]

0
Flight Block 24

Line Points

Line 24 start
Distance 0.57 nautical miles

1064.51 meters to line 24 end

0.57 nautical miles to line 24 end

244.58 degrees to line 24 end

20.69 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-95.996555,28.761328,853.440002

Line 24 end

line 24 end

#sgrillo2_0

clampToGround
-96.006142,28.756773,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 24

```
#fl_lines  
1  
clampToGround  
-95.996555,28.761328,853.44 -96.006142,28.756773,853.44
```

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

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67.335678

ffffffff
1
67.335678

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

247.335678

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247.335678

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

67.335678

fffffff
1
67.335678

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

247.335678

fffffff
1
247.335678

\$[name]

0
Flight Block 25

Line Points

Line 25 start
Diatance 0.57 nautical miles

1046.53 meters to line 25 end

0.57 nautical miles to line 25 end

67.34 degrees to line 25 end

20.34 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.004281,28.765726,853.440002

Line 25 end

line 25 end

#sgrillo2_0

clampToGround
-95.994604,28.769767,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 25

#fl_lines

1
clampToGround
-96.004281,28.765726,853.44 -95.994604,28.769767,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

359.123413

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359.123413

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

179.123428

fffffff
1
179.123428

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

359.123413

fffffff
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359.123413

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

179.123428

fffffff
1
179.123428

\$[name]

0
Flight Block 26

Line Points

Line 26 start
Diatance 2.01 nautical miles

3718.70 meters to line 26 end

2.01 nautical miles to line 26 end

359.12 degrees to line 26 end

72.29 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.031703,28.776324,853.440002

Line 26 end

line 26 end

#sgrillo2_0

clampToGround
-96.032216,28.809852,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 26

#fl_lines

1

clampToGround
-96.031703,28.776324,853.44 -96.032216,28.809852,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

272.029999

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272.029999

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

92.030006

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1
92.030006

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

272.029999

ffffffff

1
272.029999

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

92.030006

ffffffff
1
92.030006

\$[name]

0
Flight Block 27

Line Points

Line 27 start
Diatance 0.30 nautical miles

562.24 meters to line 27 end

0.30 nautical miles to line 27 end

272.03 degrees to line 27 end

10.93 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.138390,28.830660,853.440002

Line 27 end

line 27 end

#sgrillo2_0

clampToGround
-96.144142,28.830864,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 27

#fl_lines

1
clampToGround
-96.138390,28.830660,853.44 -96.144142,28.830864,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

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178.205246

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178.205246

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

358.205261

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358.205261

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

178.205246

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178.205246

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

358.205261

fffffff
1
358.205261

\$[name]

0
Flight Block 28

Line Points

Line 28 start

Diatance 0.42 nautical miles
771.75 meters to line 28 end
0.42 nautical miles to line 28 end
178.21 degrees to line 28 end
15.00 seconds collect time at 100 knots
2800.00 ft. Altitude (AGL)
2860.00 ft. Altitude (MSL)
#sgrillo1_0
clampToGround
-96.159022,28.830410,853.440002

Line 28 end
line 28 end
#sgrillo2_0
clampToGround
-96.158804,28.823453,853.440002

ff000080
5.0

1
550000ff

Lines
Flight Line 28
#fl_lines
1
clampToGround
-96.159022,28.830410,853.44 -96.158804,28.823453,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

77.941673

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77.941673

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

257.941681

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257.941681

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

77.941673

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77.941673

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

257.941681

fffffff
1
257.941681

\$[name]

0
Flight Block 29

Line Points

Line 29 start
Distance 0.24 nautical miles

443.37 meters to line 29 end

0.24 nautical miles to line 29 end

77.94 degrees to line 29 end

8.62 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.154452,28.844199,853.440002

Line 29 end

line 29 end

#sgrillo2_0

clampToGround

-96.150039,28.845142,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 29

#fl_lines

1
clampToGround
-96.154452,28.844199,853.44 -96.150039,28.845142,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

350.850464

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350.850464

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

170.850464

fffffff
1
170.850464

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

350.850464

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350.850464

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

170.850464

fffffff
1
170.850464

\$[name]

0
Flight Block 30

Line Points

Line 30 start
Diatance 0.35 nautical miles

650.43 meters to line 30 end

0.35 nautical miles to line 30 end
350.85 degrees to line 30 end
12.64 seconds collect time at 100 knots
2800.00 ft. Altitude (AGL)
2860.00 ft. Altitude (MSL)
#sgrillo1_0
clampToGround
-96.226013,28.861966,853.440002

Line 30 end

line 30 end

#sgrillo2_0

clampToGround
-96.226949,28.867773,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 30

#fl_lines

1
clampToGround
-96.226013,28.861966,853.44 -96.226949,28.867773,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

90.057999

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1
90.057999

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

270.057983

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1
270.057983

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

90.057999

fffffffff
1
90.057999

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

270.057983

fffffff
1
270.057983

\$[name]

0
Flight Block 31

Line Points

Line 31 start
Diatance 0.08 nautical miles

142.22 meters to line 31 end

0.08 nautical miles to line 31 end

90.06 degrees to line 31 end

2.76 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.221828,28.871128,853.440002

Line 31 end

line 31 end

#sgrillo2_0

clampToGround
-96.220371,28.871127,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 31

#fl_lines

1
clampToGround
-96.221828,28.871128,853.44 -96.220371,28.871127,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

89.572540

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89.572540

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

269.572540

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269.572540

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

89.572540

fffffff
1
89.572540

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

269.572540

fffffff
1
269.572540

\$[name]

0
Flight Block 32

Line Points

Line 32 start
Diatance 0.37 nautical miles

686.61 meters to line 32 end

0.37 nautical miles to line 32 end

89.57 degrees to line 32 end

13.35 seconds collect time at 100 knots
2800.00 ft. Altitude (AGL)
2860.00 ft. Altitude (MSL)
#sgrillo1_0

clampToGround
-96.181995,28.877156,853.440002

Line 32 end

line 32 end

#sgrillo2_0

clampToGround
-96.174961,28.877208,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 32

#fl_lines

1
clampToGround
-96.181995,28.877156,853.44 -96.174961,28.877208,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433

0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

107.550491

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1
107.550491

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

287.550476

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1
287.550476

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

107.550491

ffffffff
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107.550491

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

287.550476

fffffff
1
287.550476

\$[name]

0
Flight Block 33

Line Points

Line 33 start
Distance 0.57 nautical miles

1059.49 meters to line 33 end

0.57 nautical miles to line 33 end

107.55 degrees to line 33 end

20.59 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.145187,28.899517,853.440002

Line 33 end

line 33 end

#sgrillo2_0

clampToGround
-96.134970,28.896286,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 33

#fl_lines

1
clampToGround
-96.145187,28.899517,853.44 -96.134970,28.896286,853.44

ASPECT Flight Planning

0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

74.883514

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74.883514

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

254.883514

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254.883514

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

74.883514

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74.883514

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

254.883514

fffffff
1
254.883514

\$[name]

0
Flight Block 34

Line Points

Line 34 start
Diatance 0.74 nautical miles

1374.71 meters to line 34 end

0.74 nautical miles to line 34 end

74.88 degrees to line 34 end

26.72 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.026816,28.859591,853.440002

Line 34 end

line 34 end

#sgrillo2_0

clampToGround
-96.013355,28.863227,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 34

#fl_lines

1
clampToGround
-96.026816,28.859591,853.44 -96.013355,28.863227,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

10.326730

fffffff

1

10.326730

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

190.326736

fffffff

1

190.326736

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

10.326730

fffffff

1

10.326730

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

190.326736

fffffff

1
190.326736

\$[name]

0
Flight Block 35

Line Points

Line 35 start
Diatance 0.19 nautical miles

355.45 meters to line 35 end

0.19 nautical miles to line 35 end

10.33 degrees to line 35 end

6.91 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.013371,28.918881,853.440002

Line 35 end

line 35 end

#sgrillo2_0

clampToGround
-96.012794,28.922046,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 35

#fl_lines

```
1
clampToGround
-96.013371,28.918881,853.44 -96.012794,28.922046,853.44
```

ASPECT Flight Planning

0

```
-96.565023
28.682428
5022.3163433
0
0
```

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

182.984665

```
ffffffff
1
182.984665
```

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

2.984668

```
ffffffff
1
2.984668
```

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

182.984665

ffffffff
1
182.984665

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

2.984668

ffffffff
1
2.984668

\$[name]

0
Flight Block 36

Line Points

Line 36 start
Diatance 0.40 nautical miles

738.93 meters to line 36 end

0.40 nautical miles to line 36 end

182.98 degrees to line 36 end

14.36 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-95.997271,28.923702,853.440002

Line 36 end

line 36 end

#sgrillo2_0

clampToGround
-95.997618,28.917047,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 36

#fl_lines

1
clampToGround
-95.997271,28.923702,853.44 -95.997618,28.917047,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

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83.661842

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83.661842

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

263.661835

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263.661835

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

83.661842

fffffff
1
83.661842

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

263.661835

fffffff
1
263.661835

\$[name]

0
Flight Block 37

Line Points

Line 37 start
Diatance 1.08 nautical miles

1996.66 meters to line 37 end

1.08 nautical miles to line 37 end

83.66 degrees to line 37 end

38.81 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-95.967256,28.953229,853.440002

Line 37 end

line 37 end

#sgrillo2_0

clampToGround
-95.946947,28.955484,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 37

#fl_lines

1
clampToGround
-95.967256,28.953229,853.44 -95.946947,28.955484,853.44

ASPECT Flight Planning

0

-96.565023
28.682428
5022.3163433
0
0

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89.120514

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89.120514

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<http://maps.google.com/mapfiles/kml/shapes/airports.png>

269.120514

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269.120514

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89.120514

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<http://maps.google.com/mapfiles/kml/shapes/airports.png>

269.120514

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1
269.120514

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0
Flight Block 38

Line Points

Line 38 start
Diatance 0.29 nautical miles

540.86 meters to line 38 end

0.29 nautical miles to line 38 end

89.12 degrees to line 38 end

10.51 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-95.927834,28.976195,853.440002

Line 38 end

line 38 end

#sgrillo2_0

clampToGround
-95.922289,28.976280,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 38

#fl_lines

1
clampToGround
-95.927834,28.976195,853.44 -95.922289,28.976280,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
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59.433819

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59.433819

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239.433823

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239.433823

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59.433819

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59.433819

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<http://maps.google.com/mapfiles/kml/shapes/airports.png>

239.433823

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1
239.433823

\$[name]

0
Flight Block 39

Line Points

Line 39 start
Distance 0.18 nautical miles

327.64 meters to line 39 end

0.18 nautical miles to line 39 end

59.43 degrees to line 39 end

6.37 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-95.885835,29.011203,853.440002

Line 39 end

line 39 end

#sgrillo2_0

clampToGround
-95.883045,29.012850,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 39

#fl_lines

I
clampToGround
-95.885835,29.011203,853.44 -95.883045,29.012850,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

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229.642166

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229.642166

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49.642162

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1
49.642162

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

229.642166

fffffff
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229.642166

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

49.642162

fffffff
1
49.642162

\$[name]

0
Flight Block 40

Line Points

Line 40 start
Diatance 0.15 nautical miles

286.19 meters to line 40 end

0.15 nautical miles to line 40 end

229.64 degrees to line 40 end

5.56 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-95.892118,29.018097,853.440002

Line 40 end

line 40 end

#sgrillo2_0

clampToGround
-95.894229,29.016303,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 40

#fl_lines

1
clampToGround
-95.892118,29.018097,853.44 -95.894229,29.016303,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

51.578457

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1
51.578457

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\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

231.578461

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1
231.578461

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<http://maps.google.com/mapfiles/kml/shapes/airports.png>

51.578457

ffffffff
1
51.578457

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

231.578461

ffffffff
1
231.578461

\$[name]

0
Flight Block 41

Line Points

Line 41 start
Diatance 0.16 nautical miles

302.27 meters to line 41 end

0.16 nautical miles to line 41 end

51.58 degrees to line 41 end

5.88 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-95.870192,29.033928,853.440002

Line 41 end

line 41 end

#sgrillo2_0

clampToGround
-95.867890,29.035754,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 41

#fl_lines

1
clampToGround
-95.870192,29.033928,853.44 -95.867890,29.035754,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

221.577347

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1
221.577347

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<http://maps.google.com/mapfiles/kml/shapes/airports.png>

41.577351

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1
41.577351

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221.577347

ffffffff
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221.577347

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41.577351

ffffffff
1
41.577351

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0
Flight Block 42

Line Points

Line 42 start
Diatance 0.16 nautical miles

293.38 meters to line 42 end

0.16 nautical miles to line 42 end

221.58 degrees to line 42 end

5.70 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-95.868565,29.041558,853.440002

Line 42 end

line 42 end

#sgrillo2_0

clampToGround
-95.870416,29.039471,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 42

#fl_lines

1
clampToGround
-95.868565,29.041558,853.44 -95.870416,29.039471,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
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59.743301

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59.743301

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239.743301

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239.743301

\$[name]

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59.743301

fffffff

1

59.743301

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

239.743301

fffffff

1

239.743301

\$[name]

0

Flight Block 43

Line Points

Line 43 start

Diatance 0.37 nautical miles

694.15 meters to line 43 end
0.37 nautical miles to line 43 end
59.74 degrees to line 43 end
13.49 seconds collect time at 100 knots
2800.00 ft. Altitude (AGL)
2860.00 ft. Altitude (MSL)
#sgrillo1_0
clampToGround
-95.843612,29.061463,853.440002

Line 43 end

line 43 end

#sgrillo2_0

clampToGround
-95.837677,29.064926,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 43

#fl_lines

1
clampToGround
-95.843612,29.061463,853.44 -95.837677,29.064926,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
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299.772430

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1
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119.772438

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119.772438

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<http://maps.google.com/mapfiles/kml/shapes/airports.png>

299.772430

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299.772430

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<http://maps.google.com/mapfiles/kml/shapes/airports.png>

119.772438

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0
Flight Block 44

Line Points

Line 44 start
Diatance 0.50 nautical miles

920.77 meters to line 44 end

0.50 nautical miles to line 44 end

299.77 degrees to line 44 end

17.90 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-95.795610,29.066775,853.440002

Line 44 end

line 44 end

#sgrillo2_0

clampToGround
-95.803530,29.071306,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 44

#fl_lines

1
clampToGround
-95.795610,29.066775,853.44 -95.803530,29.071306,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
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246.809372

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246.809372

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66.809372

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66.809372

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

246.809372

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246.809372

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

66.809372

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1
66.809372

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0
Flight Block 45

Line Points

Line 45 start
Diatance 0.69 nautical miles

1285.10 meters to line 45 end

0.69 nautical miles to line 45 end

246.81 degrees to line 45 end
24.98 seconds collect time at 100 knots
2800.00 ft. Altitude (AGL)
2860.00 ft. Altitude (MSL)
#sgrillo1_0

clampToGround
-95.967316,29.024974,853.440002

Line 45 end

line 45 end

#sgrillo2_0

clampToGround
-95.979167,29.019897,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 45

#fl_lines

1
clampToGround
-95.967316,29.024974,853.44 -95.979167,29.019897,853.44

ASPECT Flight Planning
0

-96.565023

28.682428
5022.3163433
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179.767029

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179.767029

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359.767029

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359.767029

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\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

179.767029

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1
179.767029

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

359.767029

fffffff
1
359.767029

\$[name]

0
Flight Block 46

Line Points

Line 46 start
Diatance 0.43 nautical miles

798.87 meters to line 46 end

0.43 nautical miles to line 46 end

179.77 degrees to line 46 end

15.53 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-95.975414,28.982389,853.440002

Line 46 end

line 46 end

#sgrillo2_0

clampToGround
-95.975385,28.975186,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 46

#fl_lines

1
clampToGround
-95.975414,28.982389,853.44 -95.975385,28.975186,853.44

ASPECT Flight Planning 0

-96.565023
28.682428
5022.3163433
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0

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356.335388

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1
356.335388

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\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

176.335373

ffffffff

1
176.335373

\$[name]

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<http://maps.google.com/mapfiles/kml/shapes/airports.png>

356.335388

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1
356.335388

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

176.335373

ffffffff
1
176.335373

\$[name]

0
Flight Block 47

Line Points

Line 47 start
Diatance 0.27 nautical miles

498.24 meters to line 47 end

0.27 nautical miles to line 47 end

356.34 degrees to line 47 end

9.68 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround

-95.997616,29.006314,853.440002

Line 47 end

line 47 end

#sgrillo2_0

clampToGround

-95.997903,29.010799,853.440002

ff000080

5.0

1

550000ff

Lines

Flight Line 47

#fl_lines

1

clampToGround

-95.997616,29.006314,853.44 -95.997903,29.010799,853.44

ASPECT Flight Planning

0

-96.565023

28.682428

5022.3163433

0

0

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106.992584

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1
106.992584

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\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

286.992584

fffffff
1
286.992584

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

106.992584

fffffff
1
106.992584

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

286.992584

fffffff
1
286.992584

\$[name]

0
Flight Block 48

Line Points

Line 48 start
Diatance 0.58 nautical miles

1070.54 meters to line 48 end

0.58 nautical miles to line 48 end

106.99 degrees to line 48 end

20.81 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.018972,28.985059,853.440002

Line 48 end

line 48 end

#sgrillo2_0

clampToGround
-96.008602,28.981890,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 48

#fl_lines

1
clampToGround
-96.018972,28.985059,853.44 -96.008602,28.981890,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

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276.340576

ffffffff
1
276.340576

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\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

96.340591

ffffffff
1
96.340591

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

276.340576

ffffffff
1
276.340576

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

96.340591

ffffffff
1
96.340591

\$[name]

0
Flight Block 49

Line Points

Line 49 start
Diatance 0.17 nautical miles

310.13 meters to line 49 end

0.17 nautical miles to line 49 end

276.34 degrees to line 49 end

6.03 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

```
#sgrillo1_0  
clampToGround  
-96.014000,28.980216,853.440002
```

Line 49 end

line 49 end

```
#sgrillo2_0  
clampToGround  
-96.017155,28.980566,853.440002
```

```
ff000080  
5.0
```

```
1  
550000ff
```

Lines

Flight Line 49

```
#fl_lines  
1  
clampToGround  
-96.014000,28.980216,853.44 -96.017155,28.980566,853.44
```

ASPECT Flight Planning
0

```
-96.565023  
28.682428  
5022.3163433  
0  
0
```

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

199.934540

fffffff
1
199.934540

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

19.934546

fffffff
1
19.934546

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

199.934540

fffffff
1
199.934540

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

19.934546

fffffff
1
19.934546

\$[name]

0
Flight Block 50

Line Points

Line 50 start
Diatance 0.61 nautical miles

1137.63 meters to line 50 end

0.61 nautical miles to line 50 end

199.93 degrees to line 50 end

22.11 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.064677,28.962693,853.440002

Line 50 end

line 50 end

#sgrillo2_0

clampToGround
-96.068221,28.952920,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 50

#fl_lines

1
clampToGround
-96.064677,28.962693,853.44 -96.068221,28.952920,853.44

ASPECT Flight Planning

0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

52.808525
ffffffff
1
52.808525

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

232.808517
ffffffff
1
232.808517

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

52.808525

fffffff
1
52.808525

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

232.808517

fffffff
1
232.808517

\$[name]

0
Flight Block 51

Line Points

Line 51 start
Diatance 0.43 nautical miles

799.31 meters to line 51 end

0.43 nautical miles to line 51 end

52.81 degrees to line 51 end

15.54 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.214778,28.935862,853.440002

Line 51 end

line 51 end

#sgrillo2_0

clampToGround
-96.208574,28.940570,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 51

#fl_lines

1
clampToGround
-96.214778,28.935862,853.44 -96.208574,28.940570,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

37.337715

fffffff
1
37.337715

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

217.337708

fffffff
1
217.337708

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

37.337715

fffffff
1
37.337715

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

217.337708

fffffff
1
217.337708

\$[name]

0
Flight Block 52

Line Points

Line 52 start
Distance 0.31 nautical miles

580.86 meters to line 52 end

0.31 nautical miles to line 52 end

37.34 degrees to line 52 end

11.29 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.158169,28.965389,853.440002

Line 52 end

line 52 end

#sgrillo2_0

clampToGround
-96.154851,28.969739,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 52

```
#fl_lines  
1  
clampToGround  
-96.158169,28.965389,853.44 -96.154851,28.969739,853.44
```

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

356.495422

ffffffff
1
356.495422

\$[name]

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<http://maps.google.com/mapfiles/kml/shapes/airports.png>

176.495438

ffffffff
1
176.495438

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

356.495422

fffffff
1
356.495422

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

176.495438

fffffff
1
176.495438

\$[name]

0
Flight Block 53

Line Points

Line 53 start
Diatance 0.50 nautical miles

927.83 meters to line 53 end

0.50 nautical miles to line 53 end

356.50 degrees to line 53 end

18.04 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.208666,29.051543,853.440002

Line 53 end

line 53 end

#sgrillo2_0

clampToGround
-96.209177,29.059897,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 53

#fl_lines

1
clampToGround
-96.208666,29.051543,853.44 -96.209177,29.059897,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

246.308929

ffffffff
1
246.308929

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

66.308929

ffffffff
1
66.308929

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

246.308929

ffffffff
1
246.308929

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

66.308929

ffffffff
1
66.308929

\$[name]

0
Flight Block 54

Line Points

Line 54 start
Diatance 0.79 nautical miles

1464.17 meters to line 54 end

0.79 nautical miles to line 54 end

246.31 degrees to line 54 end

28.46 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.258834,29.128069,853.440002

Line 54 end

line 54 end

#sgrillo2_0

clampToGround
-96.272285,29.122167,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 54

#fl_lines

1

clampToGround
-96.258834,29.128069,853.44 -96.272285,29.122167,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

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320.496674

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1
320.496674

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<http://maps.google.com/mapfiles/kml/shapes/airports.png>

140.496689

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1
140.496689

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<http://maps.google.com/mapfiles/kml/shapes/airports.png>

320.496674

fffffffff

1
320.496674

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

140.496689

ffffffff
1
140.496689

\$[name]

0
Flight Block 55

Line Points

Line 55 start
Diatance 0.24 nautical miles

440.17 meters to line 55 end

0.24 nautical miles to line 55 end

320.50 degrees to line 55 end

8.56 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.408471,29.106575,853.440002

Line 55 end

line 55 end

#sgrillo2_0
clampToGround
-96.411122,29.109791,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 55

#fl_lines
1
clampToGround
-96.408471,29.106575,853.44 -96.411122,29.109791,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
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156.139435

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156.139435

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336.139435

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336.139435

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

156.139435

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156.139435

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

336.139435

fffffff
1
336.139435

\$[name]

0
Flight Block 56

Line Points

Line 56 start

Diatance 0.30 nautical miles

552.37 meters to line 56 end

0.30 nautical miles to line 56 end

156.14 degrees to line 56 end

10.74 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround

-96.405043,29.116350,853.440002

Line 56 end

line 56 end

#sgrillo2_0

clampToGround

-96.402989,29.111707,853.440002

ff000080

5.0

1

550000ff

Lines

Flight Line 56

#fl_lines

1

clampToGround

-96.405043,29.116350,853.44 -96.402989,29.111707,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

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1.288900

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1.288900

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\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

181.288895

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1
181.288895

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

1.288900

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<http://maps.google.com/mapfiles/kml/shapes/airports.png>

181.288895

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1
181.288895

\$[name]

0
Flight Block 57

Line Points

Line 57 start
Distance 0.37 nautical miles

688.49 meters to line 57 end

0.37 nautical miles to line 57 end

1.29 degrees to line 57 end

13.38 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.384014,29.121570,853.440002

Line 57 end

line 57 end

#sgrillo2_0

clampToGround

-96.383875,29.127777,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 57

#fl_lines

1
clampToGround
-96.384014,29.121570,853.44 -96.383875,29.127777,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
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57.996387

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1
57.996387

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237.996384

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237.996384

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\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

57.996387

fffffff
1
57.996387

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

237.996384

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1
237.996384

\$[name]

0
Flight Block 58

Line Points

Line 58 start
Diatance 0.54 nautical miles

1004.41 meters to line 58 end

0.54 nautical miles to line 58 end
58.00 degrees to line 58 end
19.52 seconds collect time at 100 knots
2800.00 ft. Altitude (AGL)
2860.00 ft. Altitude (MSL)
#sgrillo1_0
clampToGround
-96.353572,29.145486,853.440002

Line 58 end

line 58 end

#sgrillo2_0

clampToGround
-96.345166,29.150739,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 58

#fl_lines

1
clampToGround
-96.353572,29.145486,853.44 -96.345166,29.150739,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

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61.441971

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61.441971

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\$[description]

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241.441971

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241.441971

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

61.441971

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1
61.441971

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

241.441971

fffffff
1
241.441971

\$[name]

0
Flight Block 59

Line Points

Line 59 start
Diatance 0.20 nautical miles

363.81 meters to line 59 end

0.20 nautical miles to line 59 end

61.44 degrees to line 59 end

7.07 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.335049,29.156230,853.440002

Line 59 end

line 59 end

#sgrillo2_0

clampToGround
-96.331872,29.157959,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 59

#fl_lines

1
clampToGround
-96.335049,29.156230,853.44 -96.331872,29.157959,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
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0

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58.741447

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58.741447

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\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

238.741440

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238.741440

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

58.741447

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58.741447

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

238.741440

fffffff
1
238.741440

\$[name]

0
Flight Block 60

Line Points

Line 60 start
Diatance 0.21 nautical miles

382.22 meters to line 60 end

0.21 nautical miles to line 60 end

58.74 degrees to line 60 end

7.43 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround

-96.310800,29.170009,853.440002

Line 60 end

line 60 end

#sgrillo2_0

clampToGround

-96.307570,29.171969,853.440002

ff000080

5.0

1

550000ff

Lines

Flight Line 60

#fl_lines

1

clampToGround

-96.310800,29.170009,853.44 -96.307570,29.171969,853.44

ASPECT Flight Planning

0

-96.565023

28.682428

5022.3163433

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0

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355.529388

ffffffff
1
355.529388

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

175.529388

ffffffff
1
175.529388

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

355.529388

ffffffff
1
355.529388

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

175.529388

fffffff
1
175.529388

\$[name]

0
Flight Block 61

Line Points

Line 61 start
Diatance 0.16 nautical miles

288.58 meters to line 61 end

0.16 nautical miles to line 61 end

355.53 degrees to line 61 end

5.61 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.325522,29.206098,853.440002

Line 61 end

line 61 end

#sgrillo2_0

clampToGround
-96.325725,29.208694,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 61

#fl_lines

1
clampToGround
-96.325522,29.206098,853.44 -96.325725,29.208694,853.44

ASPECT Flight Planning

0

-96.565023
28.682428
5022.3163433
0
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89.815598

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1
89.815598

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

269.815582

ffffffff
1
269.815582

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

89.815598

fffffff
1
89.815598

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

269.815582

fffffff
1
269.815582

\$[name]

0
Flight Block 62

Line Points

Line 62 start
Diatance 0.30 nautical miles

559.68 meters to line 62 end

0.30 nautical miles to line 62 end

89.82 degrees to line 62 end

10.88 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.305585,29.206797,853.440002

Line 62 end

line 62 end

#sgrillo2_0

clampToGround
-96.299833,29.206815,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 62

#fl_lines

1
clampToGround
-96.305585,29.206797,853.44 -96.299833,29.206815,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

71.374313

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1
71.374313

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

251.374313

fffffff
1
251.374313

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

71.374313

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1
71.374313

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

251.374313

fffffff

1
251.374313

\$[name]

0
Flight Block 63

Line Points

Line 63 start
Diatance 0.27 nautical miles

498.35 meters to line 63 end

0.27 nautical miles to line 63 end

71.37 degrees to line 63 end

9.69 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.260331,29.183347,853.440002

Line 63 end

line 63 end

#sgrillo2_0

clampToGround
-96.255550,29.184958,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 63

#fl_lines

1
clampToGround
-96.260331,29.183347,853.44 -96.255550,29.184958,853.44

ASPECT Flight Planning

0

-96.565023
28.682428
5022.3163433
0
0

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60.839222

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1
60.839222

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<http://maps.google.com/mapfiles/kml/shapes/airports.png>

240.839218

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1
240.839218

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<http://maps.google.com/mapfiles/kml/shapes/airports.png>

60.839222

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1
60.839222

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

240.839218

fffffff
1
240.839218

\$[name]

0
Flight Block 64

Line Points

Line 64 start
Diatance 0.31 nautical miles

581.09 meters to line 64 end

0.31 nautical miles to line 64 end

60.84 degrees to line 64 end

11.30 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.234437,29.217462,853.440002

Line 64 end

line 64 end

#sgrillo2_0

clampToGround
-96.229397,29.220275,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 64

#fl_lines

1
clampToGround
-96.234437,29.217462,853.44 -96.229397,29.220275,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
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0

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20.681715

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20.681715

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\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

200.681717

fffffff
1
200.681717

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

20.681715

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20.681715

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<http://maps.google.com/mapfiles/kml/shapes/airports.png>

200.681717

fffffff
1
200.681717

\$[name]

0
Flight Block 65

Line Points

Line 65 start
Diatance 1.69 nautical miles

3138.68 meters to line 65 end

1.69 nautical miles to line 65 end

20.68 degrees to line 65 end

61.01 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.158863,29.249222,853.440002

Line 65 end

line 65 end

#sgrillo2_0

clampToGround
-96.148720,29.276090,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 65

#fl_lines

1
clampToGround
-96.158863,29.249222,853.44 -96.148720,29.276090,853.44

ASPECT Flight Planning

0

-96.565023
28.682428
5022.3163433
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51.309723

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51.309723

\$[name]

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<http://maps.google.com/mapfiles/kml/shapes/airports.png>

231.309723

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231.309723

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

51.309723

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51.309723

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<http://maps.google.com/mapfiles/kml/shapes/airports.png>

231.309723

fffffff
1
231.309723

\$[name]

0
Flight Block 66

Line Points

Line 66 start
Diatance 1.05 nautical miles

1951.76 meters to line 66 end

1.05 nautical miles to line 66 end

51.31 degrees to line 66 end

37.94 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.030347,29.211625,853.440002

Line 66 end

line 66 end

#sgrillo2_0

clampToGround
-96.015532,29.223490,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 66

#fl_lines

1
clampToGround
-96.030347,29.211625,853.44 -96.015532,29.223490,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

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129.962189

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1
129.962189

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309.962189

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309.962189

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<http://maps.google.com/mapfiles/kml/shapes/airports.png>

129.962189

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309.962189

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1
309.962189

\$[name]

0
Flight Block 67

Line Points

Line 67 start
Diatance 0.87 nautical miles

1618.07 meters to line 67 end

0.87 nautical miles to line 67 end

129.96 degrees to line 67 end

31.45 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.005907,29.237757,853.440002

Line 67 end

line 67 end

#sgrillo2_0

clampToGround
-95.993880,29.227679,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 67

#fl_lines

I
clampToGround
-96.005907,29.237757,853.44 -95.993880,29.227679,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

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229.004044

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229.004044

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

49.004036

ffffffff
1
49.004036

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

229.004044

fffffff
1
229.004044

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

49.004036

fffffff
1
49.004036

\$[name]

0
Flight Block 68

Line Points

Line 68 start
Diatance 2.17 nautical miles

4013.97 meters to line 68 end

2.17 nautical miles to line 68 end

229.00 degrees to line 68 end

78.03 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-95.956148,29.246378,853.440002

Line 68 end

line 68 end

#sgrillo2_0

clampToGround
-95.985457,29.220904,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 68

#fl_lines

1
clampToGround
-95.956148,29.246378,853.44 -95.985457,29.220904,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
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<http://maps.google.com/mapfiles/kml/shapes/airports.png>

124.058998

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124.058998

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

304.058990

ffffffff
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304.058990

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\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

124.058998

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1
124.058998

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

304.058990

ffffffff
1
304.058990

\$[name]

0
Flight Block 69

Line Points

Line 69 start
Diatance 0.65 nautical miles

1209.61 meters to line 69 end
0.65 nautical miles to line 69 end
124.06 degrees to line 69 end
23.51 seconds collect time at 100 knots
2800.00 ft. Altitude (AGL)
2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-95.947668,29.268810,853.440002

Line 69 end

line 69 end

#sgrillo2_0

clampToGround
-95.937818,29.262151,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 69

#fl_lines

1
clampToGround
-95.947668,29.268810,853.44 -95.937818,29.262151,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

95.797134

ffffffff
1
95.797134

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

275.797119

ffffffff
1
275.797119

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

95.797134

ffffffff
1
95.797134

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

275.797119

fffffff
1
275.797119

\$[name]

0
Flight Block 70

Line Points

Line 70 start
Diatance 0.32 nautical miles

592.52 meters to line 70 end

0.32 nautical miles to line 70 end

95.80 degrees to line 70 end

11.52 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-95.898003,29.253501,853.440002

Line 70 end

line 70 end

#sgrillo2_0

clampToGround
-95.891951,29.252886,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 70

#fl_lines

1
clampToGround
-95.898003,29.253501,853.44 -95.891951,29.252886,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

324.578644

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1
324.578644

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

144.578629

fffffff
1
144.578629

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

324.578644

fffffff
1
324.578644

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

144.578629

fffffff
1
144.578629

\$[name]

0
Flight Block 71

Line Points

Line 71 start
Diatance 0.25 nautical miles

454.84 meters to line 71 end
0.25 nautical miles to line 71 end
324.58 degrees to line 71 end
8.84 seconds collect time at 100 knots
2800.00 ft. Altitude (AGL)
2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-95.890251,29.262376,853.440002

Line 71 end

line 71 end

#sgrillo2_0

clampToGround
-95.892726,29.265856,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 71

#fl_lines

1
clampToGround
-95.890251,29.262376,853.44 -95.892726,29.265856,853.44

ASPECT Flight Planning

0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

337.346008

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337.346008

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

157.346008

ffffffff
1
157.346008

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

337.346008

ffffffff
1
337.346008

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

157.346008

fffffff
1
157.346008

\$[name]

0
Flight Block 72

Line Points

Line 72 start
Diatance 0.17 nautical miles

319.05 meters to line 72 end

0.17 nautical miles to line 72 end

337.35 degrees to line 72 end

6.20 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-95.908043,29.310258,853.440002

Line 72 end

line 72 end

#sgrillo2_0

clampToGround
-95.909170,29.312959,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 72

#fl_lines

1
clampToGround
-95.908043,29.310258,853.44 -95.909170,29.312959,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

304.734863

ffffffff
1
304.734863

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

124.734863

fffffff
1
124.734863

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

304.734863

fffffff
1
304.734863

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

124.734863

fffffff
1
124.734863

\$[name]

0
Flight Block 73

Line Points

Line 73 start
Diatance 0.48 nautical miles

892.30 meters to line 73 end

0.48 nautical miles to line 73 end

304.73 degrees to line 73 end
17.35 seconds collect time at 100 knots
2800.00 ft. Altitude (AGL)
2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.051573,29.312001,853.440002

Line 73 end

line 73 end

#sgrillo2_0

clampToGround
-96.058772,29.316993,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 73

#fl_lines

1
clampToGround
-96.051573,29.312001,853.44 -96.058772,29.316993,853.44

ASPECT Flight Planning
0

-96.565023

28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

201.772125

fffffff
1
201.772125

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

21.772129

fffffff
1
21.772129

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

201.772125

fffffff
1
201.772125

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

21.772129

fffffff
1
21.772129

\$[name]

0
Flight Block 74

Line Points

Line 74 start
Diatance 0.29 nautical miles

536.78 meters to line 74 end

0.29 nautical miles to line 74 end

201.77 degrees to line 74 end

10.43 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.096984,29.303550,853.440002

Line 74 end

line 74 end

#sgrillo2_0

clampToGround
-96.098808,29.298982,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 74

#fl_lines

1
clampToGround
-96.096984,29.303550,853.44 -96.098808,29.298982,853.44

ASPECT Flight Planning

0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

104.532188

ffffffff
1
104.532188

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

284.532196

ffffffff

1
284.532196

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

104.532188

ffffffff
1
104.532188

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

284.532196

ffffffff
1
284.532196

\$[name]

0
Flight Block 75

Line Points

Line 75 start
Diatance 0.26 nautical miles

473.59 meters to line 75 end

0.26 nautical miles to line 75 end

104.53 degrees to line 75 end

9.21 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround

-96.090887,29.316906,853.440002

Line 75 end

line 75 end

#sgrillo2_0

clampToGround

-96.086215,29.315694,853.440002

ff000080

5.0

1

550000ff

Lines

Flight Line 75

#fl_lines

1

clampToGround

-96.090887,29.316906,853.44 -96.086215,29.315694,853.44

ASPECT Flight Planning

0

-96.565023

28.682428

5022.3163433

0

0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

341.033936

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341.033936

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

161.033936

fffffff
1
161.033936

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

341.033936

fffffff
1
341.033936

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

161.033936

fffffff
1
161.033936

\$[name]

0
Flight Block 76

Line Points

Line 76 start
Diatance 0.35 nautical miles

639.73 meters to line 76 end

0.35 nautical miles to line 76 end

341.03 degrees to line 76 end

12.44 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.091018,29.346421,853.440002

Line 76 end

line 76 end

#sgrillo2_0

clampToGround
-96.092916,29.351945,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 76

#fl_lines

1
clampToGround
-96.091018,29.346421,853.44 -96.092916,29.351945,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

276.806519

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276.806519

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

96.806526

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96.806526

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

276.806519

ffffffff
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276.806519

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

96.806526

ffffffff
1
96.806526

\$[name]

0
Flight Block 77

Line Points

Line 77 start
Diatance 0.23 nautical miles

417.28 meters to line 77 end

0.23 nautical miles to line 77 end

276.81 degrees to line 77 end

8.11 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0
clampToGround
-96.072739,29.396721,853.440002

Line 77 end

line 77 end

#sgrillo2_0
clampToGround
-96.076996,29.397229,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 77

#fl_lines

1
clampToGround
-96.072739,29.396721,853.44 -96.076996,29.397229,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

275.734955

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1
275.734955

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

95.734955

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1
95.734955

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

275.734955

fffffff
1
275.734955

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

95.734955

fffffff
1
95.734955

\$[name]

0
Flight Block 78

Line Points

Line 78 start
Diatance 0.46 nautical miles

855.33 meters to line 78 end

0.46 nautical miles to line 78 end

275.73 degrees to line 78 end

16.63 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.092339,29.399027,853.440002

Line 78 end

line 78 end

#sgrillo2_0

clampToGround
-96.101089,29.399906,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 78

#fl_lines

1
clampToGround
-96.092339,29.399027,853.44 -96.101089,29.399906,853.44

ASPECT Flight Planning

0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

296.495728

ffffffff
1
296.495728

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

116.495728

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1
116.495728

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

296.495728

fffffff
1
296.495728

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

116.495728

fffffff
1
116.495728

\$[name]

0
Flight Block 79

Line Points

Line 79 start
Diatance 0.41 nautical miles

761.00 meters to line 79 end

0.41 nautical miles to line 79 end

296.50 degrees to line 79 end

14.79 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.331043,29.386849,853.440002

Line 79 end

line 79 end

#sgrillo2_0

clampToGround
-96.337853,29.390244,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 79

#fl_lines

1
clampToGround
-96.331043,29.386849,853.44 -96.337853,29.390244,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

82.027100

fffffff
1
82.027100

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

262.027100

fffffff
1
262.027100

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

82.027100

fffffff
1
82.027100

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

262.027100

fffffff
1
262.027100

\$[name]

0
Flight Block 80

Line Points

Line 80 start
Distance 0.38 nautical miles

702.06 meters to line 80 end

0.38 nautical miles to line 80 end

82.03 degrees to line 80 end

13.65 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.030721,29.433293,853.440002

Line 80 end

line 80 end

#sgrillo2_0

clampToGround
-96.023580,29.434293,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 80

```
#fl_lines  
1  
clampToGround  
-96.030721,29.433293,853.44 -96.023580,29.434293,853.44
```

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

332.538177

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332.538177

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

152.538177

ffffffff
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152.538177

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

332.538177

fffffff
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332.538177

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

152.538177

fffffff
1
152.538177

\$[name]

0
Flight Block 81

Line Points

Line 81 start
Diatance 0.25 nautical miles

463.58 meters to line 81 end

0.25 nautical miles to line 81 end

332.54 degrees to line 81 end

9.01 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.072067,29.505250,853.440002

Line 81 end

line 81 end

#sgrillo2_0

clampToGround
-96.074044,29.509055,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 81

#fl_lines

1
clampToGround
-96.072067,29.505250,853.44 -96.074044,29.509055,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

7.170410

ffffffff
1
7.170410

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

187.170410

fffffff
1
187.170410

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

7.170410

fffffff
1
7.170410

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

187.170410

fffffff
1
187.170410

\$[name]

0
Flight Block 82

Line Points

Line 82 start
Diatance 0.26 nautical miles

489.96 meters to line 82 end

0.26 nautical miles to line 82 end

7.17 degrees to line 82 end

9.52 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.065527,29.527014,853.440002

Line 82 end

line 82 end

#sgrillo2_0

clampToGround
-96.064975,29.531406,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 82

#fl_lines

1

clampToGround
-96.065527,29.527014,853.44 -96.064975,29.531406,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

256.769775

ffffffff
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256.769775

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

76.769768

ffffffff
1
76.769768

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

256.769775

ffffffff

1
256.769775

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

76.769768

fffffff
1
76.769768

\$[name]

0
Flight Block 83

Line Points

Line 83 start
Diatance 0.43 nautical miles

789.75 meters to line 83 end

0.43 nautical miles to line 83 end

256.77 degrees to line 83 end

15.35 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.046275,29.533504,853.440002

Line 83 end

line 83 end

#sgrillo2_0

clampToGround
-96.054138,29.531655,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 83

#fl_lines

1
clampToGround
-96.046275,29.533504,853.44 -96.054138,29.531655,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

269.567627

ffffffff
1
269.567627

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

89.567619

fffffff
1
89.567619

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

269.567627

fffffff
1
269.567627

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

89.567619

fffffff
1
89.567619

\$[name]

0
Flight Block 84

Line Points

Line 84 start

Diatance 0.84 nautical miles
1549.83 meters to line 84 end
0.84 nautical miles to line 84 end
269.57 degrees to line 84 end
30.13 seconds collect time at 100 knots
2800.00 ft. Altitude (AGL)
2860.00 ft. Altitude (MSL)
#sgrillo1_0
clampToGround
-96.078877,29.532130,853.440002

Line 84 end

line 84 end

#sgrillo2_0

clampToGround
-96.094856,29.532010,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 84

#fl_lines

1
clampToGround
-96.078877,29.532130,853.44 -96.094856,29.532010,853.44

ASPECT Flight Planning
0

-96.565023
28.682428
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

81.369095

fffffffff
1
81.369095

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

261.369110

fffffffff
1
261.369110

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

81.369095

fffffffff
1
81.369095

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

261.369110

fffffff
1
261.369110

\$[name]

0
Flight Block 85

Line Points

Line 85 start
Distance 0.59 nautical miles

1084.58 meters to line 85 end

0.59 nautical miles to line 85 end

81.37 degrees to line 85 end

21.08 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-96.085864,29.562745,853.440002

Line 85 end

line 85 end

#sgrillo2_0

clampToGround

-96.074844,29.564418,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 85

#fl_lines

1
clampToGround
-96.085864,29.562745,853.44 -96.074844,29.564418,853.44

1.4
ff7fff00

http://maps.google.com/mapfiles/kml/shapes/shaded_dot.png

\$[name]

\$[description]

normal
#sh_shaded_dot

highlight
#sh_shaded_dot

Zone7_Area.kml

normal
#s_ylw-pushpin

highlight
#s_ylw-pushpin_hl

1.3

<http://maps.google.com/mapfiles/kml/pushpin/ylw-pushpin.png>

1.1

<http://maps.google.com/mapfiles/kml/pushpin/ylw-pushpin.png>

Zone7_Area
#m_ylw-pushpin

1

-94.89039933538638,29.88602768412593,0 -94.87867569538808,29.87357151645798,0
-94.8771138999375,29.81378650104884,0 -94.91529813826092,29.76430934423624,0 -
94.91520555713048,29.75125444579755,0 -94.9319072533371,29.72834690820095,0 -
94.97753462436047,29.70893434074999,0 -94.91142485382424,29.5744974938356,0 -
94.78030657747819,29.36451211073666,0 -94.69623536360824,29.3567199112279,0 -
94.52579305634724,29.45176042556085,0 -94.35914671694687,29.54474765324205,0
-94.362019868296,29.88898191745155,0 -94.89039933538638,29.88602768412593,0

ASPECT Flight Planning
0

-94.837348
29.883797
5022.3163433
0
0

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118.512108

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118.512108

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\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

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298.512115

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

118.512108

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118.512108

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

298.512115

fffffff
1
298.512115

\$[name]

0
Flight Block 1

Line Points

Line 1 start
Distance 1.21 nautical miles

2233.07 meters to line 1 end

1.21 nautical miles to line 1 end

118.51 degrees to line 1 end

43.41 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-94.837348,29.883797,853.440002

Line 1 end

line 1 end

#sgrillo2_0

clampToGround

-94.817730,29.873140,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 1

#fl_lines

1
clampToGround
-94.837348,29.883797,853.44 -94.817730,29.873140,853.44

ASPECT Flight Planning
0

-94.837348
29.883797
5022.3163433
0
0

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16.138836

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16.138836

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196.138840

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196.138840

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

16.138836

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16.138836

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

196.138840

fffffff
1
196.138840

\$[name]

0
Flight Block 2

Line Points

Line 2 start
Diatance 0.64 nautical miles

1194.10 meters to line 2 end

0.64 nautical miles to line 2 end
16.14 degrees to line 2 end
23.21 seconds collect time at 100 knots
2800.00 ft. Altitude (AGL)
2860.00 ft. Altitude (MSL)
#sgrillo1_0
clampToGround
-94.786488,29.881991,853.440002

Line 2 end

line 2 end

#sgrillo2_0
clampToGround
-94.783466,29.892437,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 2

#fl_lines

1
clampToGround
-94.786488,29.881991,853.44 -94.783466,29.892437,853.44

ASPECT Flight Planning
0

-94.837348
29.883797
5022.3163433
0
0

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264.142883

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264.142883

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\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

84.142876

fffffff
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84.142876

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

264.142883

fffffff
1
264.142883

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

84.142876

ffffffffff
1
84.142876

\$[name]

0
Flight Block 3

Line Points

Line 3 start
Diatance 0.54 nautical miles

998.17 meters to line 3 end

0.54 nautical miles to line 3 end

264.14 degrees to line 3 end

19.40 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-94.829228,29.867755,853.440002

Line 3 end

line 3 end

#sgrillo2_0

clampToGround
-94.839489,29.866702,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 3

#fl_lines

1
clampToGround
-94.829228,29.867755,853.44 -94.839489,29.866702,853.44

ASPECT Flight Planning
0

-94.837348
29.883797
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

67.000298

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67.000298

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

247.000290

ffffffff
1
247.000290

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

67.000298

ffffffff
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67.000298

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

247.000290

ffffffff
1
247.000290

\$[name]

0
Flight Block 4

Line Points

Line 4 start
Diatance 0.44 nautical miles

805.98 meters to line 4 end

0.44 nautical miles to line 4 end

67.00 degrees to line 4 end

15.67 seconds collect time at 100 knots
2800.00 ft. Altitude (AGL)
2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-94.825897,29.864272,853.440002

Line 4 end

line 4 end

#sgrillo2_0

clampToGround
-94.818397,29.867456,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 4

#fl_lines

1
clampToGround
-94.825897,29.864272,853.44 -94.818397,29.867456,853.44

ASPECT Flight Planning
0

-94.837348
29.883797
5022.3163433

0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

75.549362

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75.549362

\$[name]

\$[description]

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255.549362

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255.549362

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

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1
75.549362

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

255.549362

fffffff
1
255.549362

\$[name]

0
Flight Block 5

Line Points

Line 5 start
Diatance 0.28 nautical miles

522.57 meters to line 5 end

0.28 nautical miles to line 5 end

75.55 degrees to line 5 end

10.16 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-94.814272,29.856982,853.440002

Line 5 end

line 5 end

#sgrillo2_0

clampToGround
-94.809086,29.858319,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 5

#fl_lines

1
clampToGround
-94.814272,29.856982,853.44 -94.809086,29.858319,853.44

ASPECT Flight Planning

0

-94.837348
29.883797
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

245.601273

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\$[description]

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65.601265

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\$[name]

\$[description]

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245.601273

ffffffff
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245.601273

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

65.601265

ffffffff
1
65.601265

\$[name]

0
Flight Block 6

Line Points

Line 6 start
Diatance 0.32 nautical miles

592.29 meters to line 6 end

0.32 nautical miles to line 6 end

245.60 degrees to line 6 end

11.51 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-94.808588,29.851896,853.440002

Line 6 end

line 6 end

#sgrillo2_0

clampToGround
-94.814026,29.849430,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 6

#fl_lines

1
clampToGround
-94.808588,29.851896,853.44 -94.814026,29.849430,853.44

ASPECT Flight Planning
0

-94.837348
29.883797
5022.3163433
0
0

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247.623428

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247.623428

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<http://maps.google.com/mapfiles/kml/shapes/airports.png>

67.623436

ffffffffff
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67.623436

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

247.623428

ffffffffff
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247.623428

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

67.623436

ffffffffff

1
67.623436

\$[name]

0
Flight Block 7

Line Points

Line 7 start
Diatance 0.32 nautical miles

595.44 meters to line 7 end

0.32 nautical miles to line 7 end

247.62 degrees to line 7 end

11.57 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-94.860129,29.859225,853.440002

Line 7 end

line 7 end

#sgrillo2_0

clampToGround
-94.865702,29.856931,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 7

#fl_lines

1
clampToGround
-94.860129,29.859225,853.44 -94.865702,29.856931,853.44

ASPECT Flight Planning

0

-94.837348
29.883797
5022.3163433
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174.832977

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174.832977

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\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

354.832977

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354.832977

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

174.832977

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174.832977

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

354.832977

ffffffff
1
354.832977

\$[name]

0
Flight Block 8

Line Points

Line 8 start
Diatance 0.52 nautical miles

971.94 meters to line 8 end

0.52 nautical miles to line 8 end

174.83 degrees to line 8 end

18.89 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-94.820086,29.833177,853.440002

Line 8 end

line 8 end

#sgrillo2_0

clampToGround
-94.819296,29.824436,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 8

#fl_lines

1
clampToGround
-94.820086,29.833177,853.44 -94.819296,29.824436,853.44

ASPECT Flight Planning
0

-94.837348
29.883797
5022.3163433
0
0

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342.080780

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342.080780

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

162.080765

fffffff
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162.080765

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

342.080780

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342.080780

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

162.080765

fffffff
1
162.080765

\$[name]

0
Flight Block 9

Line Points

Line 9 start
Diatance 0.37 nautical miles

684.88 meters to line 9 end

0.37 nautical miles to line 9 end

342.08 degrees to line 9 end

13.31 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-94.801269,29.830115,853.440002

Line 9 end

line 9 end

#sgrillo2_0

clampToGround
-94.803192,29.836061,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 9

#fl_lines

1
clampToGround
-94.801269,29.830115,853.44 -94.803192,29.836061,853.44

ASPECT Flight Planning

0

-94.837348
29.883797
5022.3163433
0
0

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175.416534

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\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

355.416534

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355.416534

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

175.416534

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175.416534

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

355.416534

fffffff
1
355.416534

\$[name]

0
Flight Block 10

Line Points

Line 10 start
Diatance 0.15 nautical miles

279.65 meters to line 10 end

0.15 nautical miles to line 10 end

175.42 degrees to line 10 end

5.44 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-94.804607,29.828028,853.440002

Line 10 end

line 10 end

#sgrillo2_0

clampToGround
-94.804405,29.825511,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 10

#fl_lines

1
clampToGround
-94.804607,29.828028,853.44 -94.804405,29.825511,853.44

ASPECT Flight Planning
0

-94.837348
29.883797
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

137.043335

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\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

317.043335

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317.043335

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

137.043335

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317.043335

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

317.043335

ffffffff
1
317.043335

\$[name]

0
Flight Block 11

Line Points

Line 11 start
Diatance 0.50 nautical miles

925.82 meters to line 11 end

0.50 nautical miles to line 11 end

137.04 degrees to line 11 end

18.00 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-94.799823,29.814819,853.440002

Line 11 end

line 11 end

#sgrillo2_0

clampToGround
-94.793785,29.808335,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 11

#fl_lines

I
clampToGround
-94.799823,29.814819,853.44 -94.793785,29.808335,853.44

ASPECT Flight Planning
0

-94.837348
29.883797
5022.3163433
0
0

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272.078430

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\$[name]

\$[description]

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92.078423

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\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

272.078430

fffffff
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272.078430

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

92.078423

fffffff
1
92.078423

\$[name]

0
Flight Block 12

Line Points

Line 12 start
Diatance 0.86 nautical miles

1590.44 meters to line 12 end

0.86 nautical miles to line 12 end

272.08 degrees to line 12 end

30.92 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-94.814852,29.797157,853.440002

Line 12 end

line 12 end

#sgrillo2_0

clampToGround
-94.831289,29.797754,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 12

#fl_lines

1
clampToGround
-94.814852,29.797157,853.44 -94.831289,29.797754,853.44

ASPECT Flight Planning
0

-94.837348
29.883797
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

274.885590

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274.885590

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

94.885574

fffffff
1
94.885574

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

274.885590

fffffff
1
274.885590

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

94.885574

fffffff
1
94.885574

\$[name]

0
Flight Block 13

Line Points

Line 13 start
Diatance 0.45 nautical miles

834.18 meters to line 13 end

0.45 nautical miles to line 13 end

274.89 degrees to line 13 end

16.22 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-94.843718,29.799984,853.440002

Line 13 end

line 13 end

#sgrillo2_0

clampToGround
-94.852305,29.800718,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 13

#fl_lines

1
clampToGround
-94.843718,29.799984,853.44 -94.852305,29.800718,853.44

ASPECT Flight Planning
0

-94.837348
29.883797
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

104.013092

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104.013092

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

284.013092

ffffffff
1
284.013092

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

104.013092

ffffffff
1
104.013092

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

284.013092

fffffff
1
284.013092

\$[name]

0
Flight Block 14

Line Points

Line 14 start
Diatance 0.42 nautical miles

778.60 meters to line 14 end

0.42 nautical miles to line 14 end

104.01 degrees to line 14 end

15.13 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-94.842026,29.803763,853.440002

Line 14 end

line 14 end

#sgrillo2_0

clampToGround
-94.834283,29.801831,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 14

#fl_lines

1
clampToGround
-94.842026,29.803763,853.44 -94.834283,29.801831,853.44

ASPECT Flight Planning
0

-94.837348
29.883797
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

103.318283

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103.318283

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

283.318268

ffffffffff
1
283.318268

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

103.318283

ffffffffff
1
103.318283

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

283.318268

ffffffffff
1
283.318268

\$[name]

0
Flight Block 15

Line Points

Line 15 start
Diatance 0.41 nautical miles

758.89 meters to line 15 end
0.41 nautical miles to line 15 end
103.32 degrees to line 15 end
14.75 seconds collect time at 100 knots
2800.00 ft. Altitude (AGL)
2860.00 ft. Altitude (MSL)
#sgrillo1_0
clampToGround
-94.841268,29.810079,853.440002

Line 15 end

line 15 end

#sgrillo2_0

clampToGround
-94.833692,29.808286,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 15

#fl_lines

1
clampToGround
-94.841268,29.810079,853.44 -94.833692,29.808286,853.44

ASPECT Flight Planning

0

-94.837348
29.883797
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

272.166595

fffffffff
1
272.166595

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

92.166588

fffffffff
1
92.166588

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

272.166595

fffffffff
1
272.166595

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

92.166588

fffffff
1
92.166588

\$[name]

0
Flight Block 16

Line Points

Line 16 start
Distance 0.40 nautical miles

747.36 meters to line 16 end

0.40 nautical miles to line 16 end

272.17 degrees to line 16 end

14.53 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-94.848124,29.793123,853.440002

Line 16 end

line 16 end

#sgrillo2_0

clampToGround
-94.855847,29.793415,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 16

#fl_lines

1
clampToGround
-94.848124,29.793123,853.44 -94.855847,29.793415,853.44

ASPECT Flight Planning
0

-94.837348
29.883797
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

268.300751

ffffffff
1
268.300751

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

88.300758

fffffff
1
88.300758

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

268.300751

fffffff
1
268.300751

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

88.300758

fffffff
1
88.300758

\$[name]

0
Flight Block 17

Line Points

Line 17 start
Diatance 0.48 nautical miles

897.55 meters to line 17 end

0.48 nautical miles to line 17 end

268.30 degrees to line 17 end
17.45 seconds collect time at 100 knots
2800.00 ft. Altitude (AGL)
2860.00 ft. Altitude (MSL)
#sgrillo1_0
clampToGround
-94.841930,29.775783,853.440002

Line 17 end

line 17 end

#sgrillo2_0

clampToGround
-94.851206,29.775507,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 17

#fl_lines

1
clampToGround
-94.841930,29.775783,853.44 -94.851206,29.775507,853.44

ASPECT Flight Planning
0

-94.837348

29.883797
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

306.462219

fffffff
1
306.462219

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

126.462212

fffffff
1
126.462212

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

306.462219

fffffff
1
306.462219

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

126.462212

fffffff
1
126.462212

\$[name]

0
Flight Block 18

Line Points

Line 18 start
Diatance 0.97 nautical miles

1793.11 meters to line 18 end

0.97 nautical miles to line 18 end

306.46 degrees to line 18 end

34.86 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-94.875604,29.775843,853.440002

Line 18 end

line 18 end

#sgrillo2_0

clampToGround
-94.889753,29.786298,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 18

#fl_lines

1
clampToGround
-94.875604,29.775843,853.44 -94.889753,29.786298,853.44

ASPECT Flight Planning

0

-94.837348
29.883797
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

226.199310

ffffffff
1
226.199310

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

46.199310

ffffffff

1
46.199310

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

226.199310

fffffff
1
226.199310

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

46.199310

fffffff
1
46.199310

\$[name]

0
Flight Block 19

Line Points

Line 19 start
Diatance 0.81 nautical miles

1494.34 meters to line 19 end

0.81 nautical miles to line 19 end

226.20 degrees to line 19 end

29.05 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround

-94.874032,29.779394,853.440002

Line 19 end

line 19 end

#sgrillo2_0

clampToGround

-94.884430,29.769422,853.440002

ff000080

5.0

1

550000ff

Lines

Flight Line 19

#fl_lines

1

clampToGround

-94.874032,29.779394,853.44 -94.884430,29.769422,853.44

ASPECT Flight Planning

0

-94.837348

29.883797

5022.3163433

0

0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

320.323547

fffffff
1
320.323547

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

140.323547

fffffff
1
140.323547

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

320.323547

fffffff
1
320.323547

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

140.323547

fffffff
1
140.323547

\$[name]

0
Flight Block 20

Line Points

Line 20 start
Diatance 1.12 nautical miles

2069.98 meters to line 20 end

1.12 nautical miles to line 20 end

320.32 degrees to line 20 end

40.24 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-94.902474,29.753996,853.440002

Line 20 end

line 20 end

#sgrillo2_0

clampToGround
-94.915023,29.769123,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 20

#fl_lines

1
clampToGround
-94.902474,29.753996,853.44 -94.915023,29.769123,853.44

ASPECT Flight Planning
0

-94.837348
29.883797
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

204.738190

ffffffff
1
204.738190

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

24.738194

ffffffff
1
24.738194

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

204.738190

ffffffff
1
204.738190

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

24.738194

ffffffff
1
24.738194

\$[name]

0
Flight Block 21

Line Points

Line 21 start
Diatance 0.98 nautical miles

1815.79 meters to line 21 end

0.98 nautical miles to line 21 end

204.74 degrees to line 21 end

35.30 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

```
#sgrillo1_0  
clampToGround  
-94.907481,29.767971,853.440002
```

Line 21 end

line 21 end

```
#sgrillo2_0  
clampToGround  
-94.914484,29.752773,853.440002
```

```
ff000080  
5.0
```

```
1  
550000ff
```

Lines

Flight Line 21

```
#fl_lines  
1  
clampToGround  
-94.907481,29.767971,853.44 -94.914484,29.752773,853.44
```

ASPECT Flight Planning
0

```
-94.837348  
29.883797  
5022.3163433  
0  
0
```

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

181.329880

fffffff
1
181.329880

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

1.329882

fffffff
1
1.329882

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

181.329880

fffffff
1
181.329880

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

1.329882

fffffff
1
1.329882

\$[name]

0
Flight Block 22

Line Points

Line 22 start
Diatance 0.88 nautical miles

1621.82 meters to line 22 end

0.88 nautical miles to line 22 end

181.33 degrees to line 22 end

31.53 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround
-94.913893,29.723642,853.440002

Line 22 end

line 22 end

#sgrillo2_0

clampToGround
-94.914232,29.709015,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 22

#fl_lines

1
clampToGround
-94.913893,29.723642,853.44 -94.914232,29.709015,853.44

ASPECT Flight Planning

0

-94.837348
29.883797
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

116.138382

ffffffff
1
116.138382

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

296.138367

ffffffff
1
296.138367

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

116.138382

fffffff

1

116.138382

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

296.138367

fffffff

1

296.138367

\$[name]

0
Flight Block 23

Line Points

Line 23 start

Diatance 0.81 nautical miles

1498.96 meters to line 23 end

0.81 nautical miles to line 23 end

116.14 degrees to line 23 end

29.14 seconds collect time at 100 knots

2800.00 ft. Altitude (AGL)

2860.00 ft. Altitude (MSL)

#sgrillo1_0

clampToGround

-94.912943,29.666921,853.440002

Line 23 end

line 23 end

#sgrillo2_0

clampToGround
-94.899445,29.660297,853.440002

ff000080
5.0

1
550000ff

Lines

Flight Line 23

#fl_lines

1
clampToGround
-94.912943,29.666921,853.44 -94.899445,29.660297,853.44

ASPECT Flight Planning
0

-94.837348
29.883797
5022.3163433
0
0

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

67.719818

fffffff
1
67.719818

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

247.719818

fffffff
1
247.719818

\$[name]

\$[description]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

67.719818

fffffff
1
67.719818

\$[name]

<http://maps.google.com/mapfiles/kml/shapes/airports.png>

247.719818

fffffff
1
247.719818

\$[name]